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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/673,166A

DATE: 12/26/2002

TIME: 13:34:33

Input Set : A:\19624051.app

Output Set: N:\CRF4\12262002\I673166A.raw

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3 <110> APPLICANT: Le Gal, Frederique Anne
4           Guillot, Jean Gerard
5           Gabory-Pedard, Hanne
6           Gras-Masse, Helene
7           Melnyk, Oleg
8           Tartar, Andre
9
10 <120> TITLE OF INVENTION: LIPOPETIDES INDUCING T LYMPHOCYTIC CYTOTOXICITY
11           BEARING AT LEAST ONE AUXILIARY T EPITOPE, AND USES FOR
12           VACCINATION
13
14 <130> FILE REFERENCE: 102.174
15
16 <140> CURRENT APPLICATION NUMBER: 09/673,166A
17
18 <141> CURRENT FILING DATE: 2001-04-04
19
20 <150> PRIOR APPLICATION NUMBER: PCT/FR99/00792
21
22 <151> PRIOR FILING DATE: 1999-04-06
23
24 <160> NUMBER OF SEQ ID NOS: 276
25
26 <170> SOFTWARE: PatentIn Ver. 2.1
27
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 14
30 <212> TYPE: PRT
31 <213> ORGANISM: Clostridium tetanus
32 <220> FEATURE:
33 <223> OTHER INFORMATION: amino acids 830-843 of the tetanus toxin.
34 <400> SEQUENCE: 1
35  Glu Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu
36  1 10
37
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 14
40 <212> TYPE: PRT
41 <213> ORGANISM: Human Papillomavirus (HPV)
42 <220> FEATURE:
43 <223> OTHER INFORMATION: amino acids 48-61 of HPV E7 protein.
44 <400> SEQUENCE: 2
45  Gly Glu Ala Glu Ser Asp Arg Ala His Asn Ile Val Thr Phe
46  1 10
47
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 14
50 <212> TYPE: PRT
51 <213> ORGANISM: Artificial Sequence
52 <220> FEATURE:
53 <223> NAME REF: 11P11
54 <400> SEQUENCE: 3
55  Thr Lys Thr Lys Arg Lys Lys Gly Lys Lys Lys Lys Lys Lys
56  1 14

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63 Ser Ser Ala Tyr Ile Lys Ala Asn Ser Lys Ile Ile Gly Ile Thr Glu
64 1 5 10 15
66 Ala Ala Ala Ala Ala Gly Ile Gly Ile Leu Thr Val
67 20 25
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71 <211> LENGTH: 18
72 <212> TYPE: PRT
73 <213> ORGANISM: Artificial Sequence
75 <214> FEATURE:
76 <211> NAME/KEY: LIPID
77 <222> LOCATION: (1)
78 <223> OTHER INFORMATION: dipalmitoyl-lysyl chain on N-terminal residue
80 <400> SEQUENCE: 4
81 Ser Ser Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu
82 1 5 10 15
84 Arg Gly Arg Ala Ala Gly Ile Gly Ile Leu Thr Val
85 20 25
88 <210> SEQ ID NO: 5
89 <211> LENGTH: 28
90 <212> TYPE: PRT
91 <213> ORGANISM: Artificial Sequence
93 <214> FEATURE:
94 <211> NAME/KEY: LIPID
95 <222> LOCATION: (1)
96 <223> OTHER INFORMATION: dipalmitoyl-lysyl chain on N-terminal residue
98 <400> SEQUENCE: 5
99 Gly Arg Gln Tyr Ile Lys Ala Asn Ser Lys Ile Ile Gly Ile Thr Glu
100 1 5 10 15
102 Arg Gly Arg Ala Ala Gly Ile Gly Ile Leu Thr Val
103 20 25
106 <210> SEQ ID NO: 6
107 <211> LENGTH: 28
108 <212> TYPE: PRT
109 <213> ORGANISM: Artificial Sequence
111 <214> FEATURE:
112 <211> NAME/KEY: LIPID
113 <222> LOCATION: (1)
114 <223> OTHER INFORMATION: mon palmitoyl-lysyl chain on N-terminal residue
116 <400> SEQUENCE: 6
117 Ser Ser Ala Tyr Ile Lys Ala Asn Ser Lys Ile Ile Gly Ile Thr Glu
118 1 5 10 15
120 Arg Gly Arg Ala Ala Gly Ile Gly Ile Leu Thr Val
121 20 25
124 <210> SEQ ID NO: 7
125 <211> LENGTH: 18
126 <212> TYPE: PRT
127 <213> ORGANISM: Artificial Sequence
129 <214> FEATURE:
130 <211> NAME/KEY: LIPID

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PATENT APPLICATION: US/09/673,166A

DATE: 10/06/2004

TIME: 13:31:33

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131 <210> LOCATION: 1
132 <223> OTHER INFORMATION: palmitoyl-lysyl chain on N-terminal residue
133 <400> SEQUENCE: 3
134 Gly Arg Gln Tyr Ile Lys Ala Asn Pro Lys Ile Ile Gly Ile Thr Glu
135 1 5 10 15
136 Arg Gly Arg Ala Ala Gly Ile Gly Ile Leu Thr Val
137 20 25
142 <210> SEQ ID NO: 7
143 <211> LENGTH: 14
144 <212> TYPE: PRT
145 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: A hydrazine is bound between the N-terminal lysine
148 and isoleucine at position 2
151 <400> SEQUENCE: 8
152 Lys Ile Leu Lys Glu Pro Val His Gly Val
153 1 5 10
156 <210> SEQ ID NO: 9
157 <211> LENGTH: 14
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: aldehyde group bound to N- terminal residue
164 <220> FEATURE:
165 <221> NAME/KEY: LIPID
166 <222> LOCATION: (11)
167 <223> OTHER INFORMATION: palmitoyl chain on C-terminal lysine residue
169 <400> SEQUENCE: 9
170 Arg Thr Pro Pro Ala Tyr Arg Pro Pro Asn Ala Pro Ile Leu Lys
171 1 5 10 15
174 <210> SEQ ID NO: 10
175 <211> LENGTH: 9
176 <212> TYPE: PRT
177 <213> ORGANISM: Homo sapiens
178 <220> FEATURE:
179 <223> OTHER INFORMATION: epitope from BCR-ABL fusion protein (chronic
180 myeloid leukemia translocation)
183 <400> SEQUENCE: 10
184 Glu Asp Ala Gln Leu Asn Pro Arg Phe
185 1 5
188 <210> SEQ ID NO: 11
189 <211> LENGTH: 9
190 <212> TYPE: PRT
191 <213> ORGANISM: Homo sapiens
192 <220> FEATURE:
193 <223> OTHER INFORMATION: epitope from BCR-ABL fusion protein (chronic
194 myeloid leukemia translocation)
197 <400> SEQUENCE: 11
198 Pro Glu Leu Asp Leu Glu Lys Gly Leu

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PATENT APPLICATION: US/09/673,166A

DATE: 12/26/02

TIME: 13:31:33

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204 <210> SEQ ID NO: 12
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206 <212> TYPE: PRT
207 <213> ORGANISM: Homo sapiens
208 <214> FEATURE:
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210 <400> SEQUENCE: 12
211 Arg Glu Leu Glu Ala Val Ile Asn Ile
212 <210> SEQ ID NO: 13
213 <211> LENGTH: 9
214 <212> TYPE: PRT
215 <213> ORGANISM: Homo sapiens
216 <214> FEATURE:
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218 <400> SEQUENCE: 13
219 Lys Glu Asp Ala Leu Gln Arg Pro Val
220 <210> SEQ ID NO: 14
221 <211> LENGTH: 9
222 <212> TYPE: PRT
223 <213> ORGANISM: Homo sapiens
224 <214> FEATURE:
225 <223> OTHER INFORMATION: epitope from BCR-ABL fusion protein (chronic
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226 <400> SEQUENCE: 14
227 Glu Asp Ala Leu Gln Arg Pro Val Ala
228 <210> SEQ ID NO: 15
229 <211> LENGTH: 9
230 <212> TYPE: PRT
231 <213> ORGANISM: Homo sapiens
232 <214> FEATURE:
233 <223> OTHER INFORMATION: epitope from BCR-ABL fusion protein (chronic
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235 Gly Glu Lys Leu Arg Val Leu Gly Lys
236 <210> SEQ ID NO: 16
237 <211> LENGTH: 9
238 <212> TYPE: PRT
239 <213> ORGANISM: Homo sapiens
240 <214> FEATURE:
241 <223> OTHER INFORMATION: epitope from BCR-ABL fusion protein (chronic
myeloid leukemia translocation)
242 <400> SEQUENCE: 16

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/673,166A

DATE: 12/07/2002

TIME: 13:3 :33

Input File : A:\19624051.app

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264 1 1
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268 <213> ORGANISM: Homo sapiens
269 <220> FEATURE:
270 <223> OTHER INFORMATION: epitope from BCR-ABL fusion protein (chronic
271 myeloid leukemia translocation)
272 <400> SEQUENCE: 17
273 Met Glu Tyr Leu Glu Lys Lys Asn Ile
274 1 5
275 <210> SEQ ID NO: 18
276 <211> LENGTH: 9
277 <212> TYPE: PRT
278 <213> ORGANISM: Homo sapiens
279 <220> FEATURE:
280 <223> OTHER INFORMATION: epitope from BCR-ABL fusion protein (chronic
281 myeloid leukemia translocation)
282 <400> SEQUENCE: 18
283 Asn Glu Glu Ala Ala Asp Glu Val Phe
284 1 5
285 <210> SEQ ID NO: 19
286 <211> LENGTH: 9
287 <212> TYPE: PRT
288 <213> ORGANISM: Homo sapiens
289 <220> FEATURE:
290 <223> OTHER INFORMATION: epitope from BCR-ABL fusion protein (chronic
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292 <400> SEQUENCE: 19
293 Val Asn Gln Glu Arg Phe Arg Met Ile
294 1 5
295 <210> SEQ ID NO: 20
296 <211> LENGTH: 9
297 <212> TYPE: PRT
298 <213> ORGANISM: Homo sapiens
299 <220> FEATURE:
300 <223> OTHER INFORMATION: epitope from BCR-ABL fusion protein (chronic
301 myeloid leukemia translocation)
302 <400> SEQUENCE: 20
303 Leu Ile Glu Lys Leu Ala Phe Val Leu
304 1 5
305 <210> SEQ ID NO: 21
306 <211> LENGTH: 9
307 <212> TYPE: PRT
308 <213> ORGANISM: Homo sapiens
309 <220> FEATURE:
310 <223> OTHER INFORMATION: epitope from BCR-ABL fusion protein (chronic
311 myeloid leukemia translocation)

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VERIFICATION SUMMARY

DATE: 12/26/2002

PATENT APPLICATION: US/09/673,166A

TIME: 11:10:24

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